

Uday Kolla

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EDUCATION

Cornell University, College of Arts and Sciences, Ithaca, NY
Bachelor of Arts, double major in Computer Science and Economics

Expected May 2024

Randolph High School, Randolph, NJ

June 2020

Awards: Top 5% of Graduating Class, National AP Scholar, and Forensics State Qualifier (3x)

Relevant Courses:

- **Past:** AP Computer Science A, App Development Honors, and AP Computer Science Principles
- **Fall 2020:** Object-Oriented Design and Data Structures and Linear Algebra
- **Spring 2021:** Data Structures and Functional Programming and Discrete Structures Honors

RELEVANT EXPERIENCE

Independent App Developer

June. 2020-Present

- Creating small independent applications in Android Studio and XCode
- Created digital portfolio using CSS/HTML 5 to highlight future projects
- Developed a calculator program, a simple chatbot, and a smart tic-tac-toe game implementing the mini-max theorem, see GitHub

Carnegie Mellon SAMS Program, Pittsburgh, PA, *Student Researcher*

June 2019-Aug. 2019

- Rigorous summer math and science program offered to select students (<7%) at no cost
- Aced challenging college math and computer science courses, including Calculus I and Intro to Python
- Collaborated with CMU faculty and other students on hands-on research projects in the field of Fluid Mechanics
- Utilized 3-D CAD software to design and model the most efficient airfoil under specific conditions
- Presented findings on NACA Airfoils at Carnegie Symposium and received 5th place out of 22 teams

LEADERSHIP EXPERIENCE

Math League, Randolph High School, *President*

March 2018-June 2020

- Taught and recruited 33 new members for club designed to foster mathematical excellence
- Ran weekly afterschool program for competition preparation
- Qualified for national AIME exam (top 2.5% of test-takers) for all four years

Math National Honor Society, Randolph High School, *Vice President*

Sept. 2018-June 2020

- Conducted and planned induction ceremony for 42 new incoming members
- Accounted for over 100 members, including attendance and making sure they met service and club requirements
- Created and sent out over 30 google forms for event sign-ups and opportunities to members

Boys Volleyball Team, Randolph High School, *Captain*

March 2018-June 2020

ADDITIONAL EXPERIENCE

Morris Academy, Randolph, NJ, Tutor

Sept. 2019-Present

- Selected to tutor various students in Math, Physics, Economics, and Computer Science.
- Averaged 8-12 hours a week helping over 25 students do homework, prepare for tests, and learn new content.

SPECIALIZED SKILLS

Programming Languages: Java (expert), Python (proficient), Kotlin (beginner), and HTML/CSS (proficient)

Version Control: Git

Foreign Languages: Telugu (fluent), Spanish (intermediate), Hindi (basic)